

Application No.: 09/303,216  
Office Action dated December 30, 2005  
Response to Office Action dated June 30, 2006

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings in the application:

**Listing of Claims:**

1. (currently amended) A crystallizable composition capable of producing crystals for use in X-ray crystallography comprising:
  - a. an HCV NS3 helicase protein selected from SEQ ID NO:2; fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582; mutants of SEQ ID NO:2 containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; or fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582 and containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; and
    - b. a single stranded dU oligonucleotide consisting of between 6 and 12 nucleotides.
2. (previously presented) The composition according to claim 1, wherein said HCV NS3 helicase protein comprises amino acids 167-631 of SEQ ID NO:2.

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3. (currently amended) A crystallized complex for use in X-ray crystallography comprising:

a. an HCV NS3 helicase protein selected from SEQ ID NO:2; fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582; mutants of SEQ ID NO:2 containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, or Arg467-to-Ala; or fragments of SEQ ID NO:2 comprising at least amino acids 183 to 582 and containing one or more of the following amino acid substitutions: Ser231-to-Ala, Thr269-to-Ala, Ser370-to-Ala, Thr411-to-Ala, Trp501-to-Phe, Trp501-to-Leu or Trp501-to-Ala, Gln460-to-Ala, Arg461-to-Ala, Arg462-to-Ala, Arg464-to-Ala, Arg467-to-Ala; and a single-stranded dU oligonucleotide consisting of between 6 and 12 nucleotides.